

ABSTRACT

A hermetically sealed compressor assembly including a housing, an electric motor located in the housing, a compression mechanism located in the housing and operatively coupled to the motor, and a terminal assembly comprising a cup-shaped terminal body and having electrically conductive pins extending therethrough. The cup-shaped terminal body extends through and is sealingly attached to the housing. A cluster block assembly is in communication with the terminal assembly and includes a cluster block fitted to the terminal body, the cluster block having free volume therein. The pins are electrically connected to the motor through the cluster block assembly. A cavity is defined between the interior of the cup-shaped terminal body and the cluster block, and a dielectric material substantially fills at least one of the cavity and the cluster block free volume.

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